



<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</b>	Application Number	10/813,967
	Filing Date	March 31, 2004
	First Named Inventor	Clarence T. Tegreene
	Group Art Unit	2681
	Examiner Name	To be Assigned
	Attorney Docket Number	0104-003-006-000000
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U.S. PATENT DOCUMENTS				
Examiner Initials	Cite No.	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
	AA			
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FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Country	Date of Publication (MM-DD-YYYY)	English Translation Provided?
	AI				
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	AK				

NON PATENT LITERATURE DOCUMENTS		
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A.W.	AL	ZHAO, FENG; GUIBAS, LEONIDAS J.; <u>Wireless Sensor Networks: An Information Processing Approach</u> . San Francisco: Morgan Kaufmann Publishers-Elsevier Inc., bearing a copyright date of 2004.
	AM	
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Examiner Signature	<i>Andrew Wendell</i>	Date Considered	12/20/2005
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A.W.	AC	BERKELY WEBS: WIRELESS EMBEDDED SYSTEMS, "Building Sensor Networks with TinyOS" May 5, 2003 Mobisys Tutorial, San Francisco Powerpoint Presentation, Culler, David; Levis, Phil; Szewczyk, Rob; Polastre, Joe; pp. 1-41 located at <a href="http://webs.cs.berkeley.edu">http://webs.cs.berkeley.edu</a> , printed on 04/15/04.
A.W.	AD	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Publications", pp. 1-3, located at <a href="http://webs.cs.berkeley.edu/publications.html">http://webs.cs.berkeley.edu/publications.html</a> , printed on 04/12/04
A.W.	AE	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS a component-based OS for the networked sensor regime", "Latest News", pp. 1-2 located at <a href="http://webs.cs.berkeley.edu/tos/">http://webs.cs.berkeley.edu/tos/</a> , printed on 01/27/04.
A.W.	AF	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS a component-based OS for the networked sensor regime", "Publications/Presentations", pp. 1-3 located at <a href="http://www.tinyos.net/media.html">http://www.tinyos.net/media.html</a> , printed on 04/13/04.
A.W.	AG	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS a component-based OS for the networked sensor regime", "Related UC Berkeley Work", pp. 1-9 located at <a href="http://webs.cs.berkeley.edu/tos/related.html">http://webs.cs.berkeley.edu/tos/related.html</a> , printed on 01/27/04.
A.W.	AH	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS Tutorial Index", pp. 1-2 located at <a href="http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/index.html">http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/index.html</a> , printed on 04/15/04.
A.W.	AI	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS Tutorial Lesson 8: Data Logging Application", pp. 1-4 located at <a href="http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/lesson8.html">http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/lesson8.html</a> , printed on 04/15/04.
A.W.	AJ	CENTER FOR THE BUILT ENVIRONMENT, "XYZ On A Chip: Integrated Wireless Sensor Networks for the Control of the Indoor Environment in Buildings" pp. 1-2, located at <a href="http://www.cbe.berkeley.edu/research/briefs-wirelessxyz.htm">http://www.cbe.berkeley.edu/research/briefs-wirelessxyz.htm</a> , bearing a date of 2002, printed on 01/27/04.

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A.W.	AK	CITRIS, "Brainy Buildings Conserve Energy" p. 1-3 located at <a href="http://www.citris.berkeley.edu/applications/energy/smartbuildings.html">http://www.citris.berkeley.edu/applications/energy/smartbuildings.html</a> , printed on 01/27/04.
A.W.	AL	CITRIS, "The Real World as One Giant Database" pp. 1-3 located at <a href="http://www.citris.berkeley.edu/newsletter/2003_Newsletters/december_2003/feature.htm">http://www.citris.berkeley.edu/newsletter/2003_Newsletters/december_2003/feature.htm</a> , bearing a date of 2003, printed on 04/09/04.
A.W.	AM	"Data Repository", University of California Berkeley, located at <a href="http://localization.millennium.berkeley.edu/data_repository.html">http://localization.millennium.berkeley.edu/data_repository.html</a> , pp. 1 of 1, bearing a date of 2001, printed on 04/07/04.
A.W.	AN	GELSINGER, PAT; Intel.com, "Expanding Moore's Law with Convergence" pp. 1-4 located at <a href="http://www.intel.com/labs/features/em101031.htm">http://www.intel.com/labs/features/em101031.htm</a> , printed on 04/09/04.
A.W.	AO	INTEL.COM, "New Computing Frontiers-The Wireless Vineyard" pp. 1-4 located at <a href="http://www.intel.com/labs/features/rs01031.htm">http://www.intel.com/labs/features/rs01031.htm</a> , printed on 04/07/04.
A.W.	AP	ISIS NEST: Institute For Software Integrated Systems; "NEST Home: Network Embedded Systems Technology", pp. 1-2, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/index.html">http://www.isis.vanderbilt.edu/projects.nest/index.html</a> , printed on 04/14/04.
A.W.	AQ	ISIS NEST: Institute For Software Integrated Systems; "Applications: Shooter Localizations", pp. 1-5, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/applications.html">http://www.isis.vanderbilt.edu/projects.nest/applications.html</a> , printed on 04/14/04.
A.W.	AR	ISIS NEST: Institute For Software Integrated Systems; "Middleware: Next Middleware Services", pp. 1 of 1, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/middleware.html">http://www.isis.vanderbilt.edu/projects.nest/middleware.html</a> , printed on 04/14/04.
A.W.	AS	ISIS NEST: Institute For Software Integrated Systems; "Tools: NEST Tools", pp. 1 of 1, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/tools.html">http://www.isis.vanderbilt.edu/projects.nest/tools.html</a> , printed on 04/14/04.
A.W.	AT	ISIS NEST: Institute For Software Integrated Systems; "Documents: NEST Documents", pp. 1-2, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/documents.html">http://www.isis.vanderbilt.edu/projects.nest/documents.html</a> , printed on 04/14/04.
A.W.	AU	ISIS NEST: Institute For Software Integrated Systems; "Download: NEST Download", pp. 1-2, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/download.html">http://www.isis.vanderbilt.edu/projects.nest/download.html</a> , printed on 04/14/04.
A.W.	AV	ISIS NEST: Institute For Software Integrated Systems; "People: The NEST Group", pp. 1 of 1, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/people.html">http://www.isis.vanderbilt.edu/projects.nest/people.html</a> , printed on 04/14/04.
A.W.	AW	JOHNSON, R. COLIN, "Companies test prototype wireless-sensor nets" EE Times, pp. 1-3, printable version of article located at <a href="http://www.eet.com/article/showArticle.jhtml?articleID=9900910">http://www.eet.com/article/showArticle.jhtml?articleID=9900910</a> , bearing a date of 01/29/03, printed on 01/27/04.

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A.W.	AX	KAHN, KEVIN C.; CULLER, DAVID E.; "Ad Hoc Sensor Networks A New Frontier for Computing Applications" bearing a date of April 2002, printed on 04/09/04.	
A.W.	AY	KLING, RALPH, "Intel® Research Mote" pp. 1-13, Powerpoint Presentation, located at <a href="http://webs.cs.berkeley.edu/retreat-1-03/slides/imote-nest-q103-03-dist.pdf">http://webs.cs.berkeley.edu/retreat-1-03/slides/imote-nest-q103-03-dist.pdf</a> , Intel Corporation Research, Santa Clara, CA, printed on 04/13/04.	
A.W.	AZ	LEVIS, PHILIP; CULLER, DAVID; "Maté: A Tiny Virtual Machine for Sensor Networks", pp. 1-11, printed on 04/12/04	
A.W.	BA	LEVIS, PHILIP; MADDEN, SAM; GAY, DAVID; POLASTRE, JOSEPH; SZEWCZYK, ROBERT; WOO, ALEC; BREWER, ERIC; CULLER, DAVID; "The Emergence of Networking Abstractions and Techniques in TinyOS" pp. 1-14, printed on 04/13/04.	
A.W.	BB	LEVIS, PHILIP; PATEL, NEIL; CULLER, DAVID; SHENKER, SCOTT; "Trickle: A Self-Regulating Algorithm for Code Propagation and Maintenance in Wireless Sensor Networks", printed on 04/13/04.	
A.W.	BC	LEVIS, PHILIP; PATEL, NEIL; "Maté: Building Application-Specific Sensor Network Language Runtimes", bearing a date of 11/11/03, printed on 04/12/04	
A.W.	BD	"LOCALIZATION Distributed Embedded Systems" UCLA Computer Science 213: Localization Systems Powerpoint Presentation, pp. 1-61, bearing a course name of: CS 213/Estrin/Winter 2003, bearing a speaker name of: Lewis Girod, bearing a date of 02/04/03, printed on 03/15/04.	
A.W.	BE	"Localization.Millennium.Berkeley.Edu", University of California Berkeley, located at <a href="http://localization.millennium.berkeley.edu/introduction.html">http://localization.millennium.berkeley.edu/introduction.html</a> , pp. 1 of 1, bearing a date of 2001, printed on 04/07/04.	
A.W.	BF	"Localization Standards", University of California Berkeley, located at <a href="http://localization.millennium.berkeley.edu/localization_standards.html">http://localization.millennium.berkeley.edu/localization_standards.html</a> , pp. 1 of 1, bearing a date of 2001, printed on 04/07/04.	
A.W.	BG	MARÓTI, MIKLÓS; VÖLGYESI, PÉTER; SIMON, GYULA; KARSAI, GÁBOR; LÉDECZI, AKOS; "Distributed Middleware Services Composition and Synthesis Technology"; pp. 1-8, IEEE, bearing a date of 2002, printed on 04/14/04.	
A.W.	BH	PESCOVITZ, DAVID, "Robugs: Smart Dust Has Legs" pp. 1-2, located at <a href="http://www.coe.berkeley.edu/labnotes/0903/pister_print.html">http://www.coe.berkeley.edu/labnotes/0903/pister_print.html</a> , bearing a date of September 2003, printed on 04/09/04.	
A.W.	BI	RAGHUNATHAN, VIJAY; SCHURGERS, CURT; PARK, SUNG; SRIVASTAVA, MANI B.; "Energy Aware Wireless Sensor Networks" pp. 1-17; Department of Electrical Engineering, University of California, Los Angeles; printed on 03/15/04.	
A.W.	BJ	SAVVIDES, ANDREAS; "Hardware", pp. 1-3, located at <a href="http://nesl.ee.ucla.edu/projects/ahlos/hardware.htm">http://nesl.ee.ucla.edu/projects/ahlos/hardware.htm</a> , Networks and Embedded Systems Lab, University of California, Los Angeles; bearing a date of 01/18/03, printed on 02/23/04.	
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		12/20/2005	

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G.W.	BK	SAVVIDES, ANDREAS; "Localization Forum", pp. 1 of 1, located at <a href="http://nesl.ee.ucla.edu/projects/ahlos/localization_forum.htm">http://nesl.ee.ucla.edu/projects/ahlos/localization_forum.htm</a> , Networks and Embedded Systems Lab, University of California, Los Angeles; bearing a date of 12/24/03, printed on 02/23/04.	
G.W.	BL	"The Ad-Hoc Localization System (AHLoS)" Networks and Embedded Systems Lab, University of California, Los Angeles; located at <a href="http://nesl.ee.ucla.edu/projects/ahlos/Default.htm">http://nesl.ee.ucla.edu/projects/ahlos/Default.htm</a> , pp. 1-4, printed on 02/23/04.	
G.W.	BM	"Tiny DB A Declarative Database for Sensor Networks" pp. 1-2, located at <a href="http://telegraph.cs.berkeley.edu/tinydb/">http://telegraph.cs.berkeley.edu/tinydb/</a> printed on 04/09/04.	
a.w.	BN	TINY SEC: LINK LAYER SECURITY FOR TINY DEVICES, "Calamari: A localization system for sensor networks", pp. 1-6, located at <a href="http://www.cs.berkeley.edu/~kamin/calamari/">http://www.cs.berkeley.edu/~kamin/calamari/</a> printed on 04/12/04.	
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U.S. PATENT DOCUMENTS				
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A.W.	AA	2004/0005889 A1	Nishimura, et al.	01-08-2004
A.W.	AB	2003/0236866 A1	John J. Light	12-25-2003
A.W.	AC	2003/0172221 A1	Donald H. McNeil	09-11-2003
A.W.	AD	2002/0040639 A1	Duddleson, et al.	04-11-2002

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A.W.	AF	BUONADONNA, PHILLIP; HILL, JASON; CULLER, DAVID; "Active Message Communication for Tiny Networked Sensors," pp. 1-11, printed on 03/08/2004.
A.W.	AG	GAY, DAVID; LEVIS, PHIL; VON BEHREN; WELSH, MATT; BREWER, ERIC; and CULLER, DAVID, "The nesCLanguage: A Holistic Approach to Network Embedded Systems," pp. 1-10; Intel Research Berkeley, The Intel Corporation, November 2002.
A.W.	AH	HILL, JASON; SZEWCZYK, ROBERT; WOO, ALEC; HOLLAR, SETH; CULLER, DAVID; PISTER, KRISTOFER, "System Architecture Directions for Networked Sensors," ASPLOS 2000, Cambridge, November 2000.
A.W.	AI	INTEL.COM, "Exploratory Research Deep Networking" pp. 1-10 located at <a href="http://www.intel.com/research/exploratory/heterogeneous.htm">http://www.intel.com/research/exploratory/heterogeneous.htm</a> , printed on 03/25/04.
A.W.	AJ	LEVIS, PHILIP, "Viral Code Propagation in Wireless Sensor Networks," EECS Department, University of California at Berkeley, printed on 03/08/2004.
A.W.	AK	LISCANO, RAMIRO, "Service Discovery in Sensor Networks: An Overview" Powerpoint Presentation; pp.1-51; School of Information Technology and Engineering, University of Ottawa, Ottawa, CANADA, bearing a date of 2003, printed on 03/08/2004.
A.W.	AL	MADDEN, SAMUEL, "Acquisitional Query Processing in TinyDB" Powerpoint Presentation, pp. 1-51; NEST Winter Retreat 2003, printed on 03/08/2004.
A.W.	AM	MADDEN, SAMUEL, "Challenges in Sensor Network Query Processing" Powerpoint Presentation at the January 15, 2002 NEST Retreat, printed on 03/08/2004.

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A.W.	AN	MADDEN, SAMUEL; SZEWCZYK, R.; FRANKLIN, MICHAEL; and CULLER, DAVID "Supporting Aggregate Queries Over Ad-Hoc Wireless Sensor Networks," pp. 1-10, printed on 03/08/04.
A.W.	AO	MADDEN, SAMUEL; SZEWCZYK, R.; FRANKLIN, MICHAEL; CULLER, DAVID "Supporting Aggregate Queries Over Ad-Hoc Wireless Sensor Networks" Powerpoint Presentation, pp. 1-47, 4 <sup>th</sup> IEEE Workshop on Mobile Computing, dated June 21, 2002.
A.W.	AP	MADDEN, SAMUEL; FRANKLIN, MICHAEL J.; HELLERSTEIN, JOSEPH; M., and HONG, WEI, "The Design of an Acquisitional Query Processor for Sensor Networks," pp. 1-14, SIGMOD, June 2003.
A.W.	AQ	RYER, ALEX; <u>Light Measurement Handbook</u> , <a href="http://www.intl-light.com/handbook">http://www.intl-light.com/handbook</a> ; pp. 1-64, copyright 1997, printed on 03/08/2004
A.W.	AR	SEARCHMOBILECOMPUTING.COM, "Ad-Hoc Network" pp. 1-3 located at <a href="http://searchmobilecomputing.techtarget.com/sDefinition/0,,sid40_gci213462,00.html">http://searchmobilecomputing.techtarget.com/sDefinition/0,,sid40_gci213462,00.html</a> , bearing a date of April 11, 2003, printed on 03/08/2004.
A.W.	AS	SEARCHNETWORKING.COM DEFINITIONS, "Jini" pp. 1-3 located at <a href="http://searchnetworking.techtarget.com/sDefinition/0,,sid7_gci212422,00.html">http://searchnetworking.techtarget.com/sDefinition/0,,sid7_gci212422,00.html</a> , bearing a date of April 10, 2003, printed on 03/08/2004.
A.W.	AT	SPYROPOULOS, AKIS; RAGHAVENDRA, C.S., "Energy Efficient Communications in Ad Hoc Networks Using Directional Antennas," Dept. of Electrical Engineering-Systems, University of Southern California, bearing a date of 2002, printed on 02/23/2004.
A.W.	AU	VISWANATH, KUMAR, "Adaptive, Integrated Multicast Routing for Group Communications in Ad-Hoc Networks" Powerpoint Presentation, pp. 1-12; Computer Engineering Department, University of California, Santa Cruz, printed on 03/08/2004.
A.W.	AV	WOO, ALEC; TONG, TERENCE; and CULLER, DAVID, "Taming the Underlying Challenges of Reliable Multihop Routing in Sensor Networks," pp. 1-14, SenSys '03, November 5-7, 2003, Los Angeles, California, USA.
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